ABSTRACT OF THE DISCLOSURE

An image processing method comprises the steps of generating a road image by photographing a road on which a vehicle is traveling; performing a brightness averaging process of the road image; filtering the road image having undergone the brightness averaging process to detect lane markers; performing an inverse perspective process on the filtered road image; compressing the road image having undergone the inverse perspective process; determining slope in the lane markers from the compressed road image; determining a curvature in the road from the determined slope in the lane markers; and determining a drive direction and a lane deviation of the vehicle.